

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 01-145642

(43)Date of publication of application : 07.06.1989

(51)Int.Cl.

G03B 15/00

(21)Application number : 63-227645

(71)Applicant : IDENTIX INC

(22)Date of filing : 13.09.1988

(72)Inventor : SARTOR THOMAS F  
DRISCOLL EDWARD C JR

(30)Priority

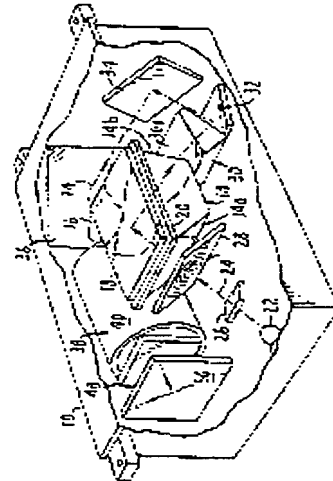
Priority number : 87 97591    Priority date : 15.09.1987    Priority country : US

## (54) OPTICAL SYSTEM FOR PICKING UP IMAGE OF FINGERPRINT

### (57)Abstract:

**PURPOSE:** To obtain a satisfactory image for confirming a fingerprint without requiring any complicated and expansive optical element by composing a system of a platen prism for forming the fingerprint image, photodetector for detecting light supplied by an objective lens, and correction prism for decreasing the effective optical path length of a main beam.

**CONSTITUTION:** This system is constituted of a light source 22, a platen prism 14 for internally reflecting light so as to prepare the fingerprint image when placing a finger, a correction prism 30 set to directly receive the fingerprint image from the platen prism 14, a photodetector 48, and an objective lens 38 set to form the fingerprint image on the photodetector 48 by receiving light from the correction prism 30. Thus, the fingerprint image can be obtained by utilizing the planar platen. Without requiring any complicated optical system.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

**BEST AVAILABLE COPY**

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]